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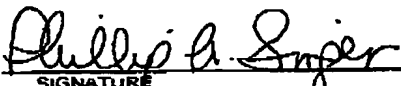
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>ISPT-1011</b> U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/517333</div>
INTERNATIONAL APPLICATION NO. <b>PCT/US03/18003</b>	INTERNATIONAL FILING DATE <b>09 June 2003 (09.06.2003)</b>	PRIORITY DATE CLAIMED <b>10 June 2002 (10.06.2002)</b>
TITLE OF INVENTION <b>ANTISENSE MODULATION OF IL-1 RECEPTOR-ASSOCIATED KINASE-1 EXPRESSION</b>		
APPLICANT(S) FOR DO/EO/US <b>Brenda F. BAKER, Susan M. FREIER and Kenneth W. DOBIE</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <b>(unexecuted)</b></li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable and written form of the sequence listing in accordance with PCT Rule 13 ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>Statement to Support Filing of Sequence Listing; copy of International Search Report; copy of International Preliminary Examination Report; copy of Form PCT/IB/308; return postcard.</b></li> </ol>		

DT09 Rec'd PCT/PTO 09 DEC 2004

PTO-1390 (Rev. 12-2004)

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. <u>10/517333</u> PCT/US03/18003				INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
21 The following fees are submitted						ISPT-1011	
<input checked="" type="checkbox"/>	a) Basic national fee			\$500.00		\$ 300.00	
<input checked="" type="checkbox"/>	b) Examination fee			\$200.00		\$ 200.00	
<input checked="" type="checkbox"/>	c) Search fee			\$500.00		\$ 500.00	
TOTAL OF ABOVE CALCULATIONS =				\$1000.00		\$ 1,000.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE				
113 - 100 =	13 / 50 =	1	x \$250.00			\$ 250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))						\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			\$	
Total claims	20 - 20 =	0	x \$50.00			\$	
Independent claims	2 - 3 =	0	x \$200.00			\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)						+ \$360.00	\$
TOTAL OF ABOVE CALCULATIONS =						\$ 1,250.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						\$	
SUBTOTAL =						\$ 1,250.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))						\$	
TOTAL NATIONAL FEE =						\$ 1,250.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.51) \$40.00 per property						\$	
TOTAL FEES ENCLOSED =						\$ 1,250.00	
						Amount to be refunded	\$
						Amount to be charged:	\$
a	<input checked="" type="checkbox"/>	A check in the amount of \$ <u>1,250.00</u> to cover the above fees is enclosed					
b	<input type="checkbox"/>	Please charge my Deposit Account No. <u>23-3050</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c	<input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-3050</u> . A duplicate copy of this sheet is enclosed.					
d	<input type="checkbox"/>	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.465 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:							
John W. Caldwell Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 (215)568-3100							
				 SIGNATURE Phillip A. Singer NAME 40,176 REGISTRATION NUMBER			